AI-synthesized faces are indistinguishable from real faces and more trustworthy

Year: 2022 | Citations: 256 | Authors: Sophie J. Nightingale, Hany Farid

Abstract

Artificial intelligence (AI)–synthesized text, audio, image, and video are being weaponized for the purposes of nonconsensual intimate imagery, financial fraud, and disinformation campaigns. Our evaluation of the photorealism of AI-synthesized faces indicates that synthesis engines have passed through the uncanny valley and are capable of creating faces that are indistinguishable—and more trustworthy—than real faces.